

DG-1 LPG

LIQUIFIED PETROLEUM GAS DETECTOR

DG-1 LPG is a microprocessor-based detector of LPG (propane-butane) gas, which is used e.g. as fuel in vehicles. It is, therefore, recommended that you install it in such spaces as garages, underground car parks, etc. Also, premises where heating equipment, cookers or burners running on this gas is installed, are exposed to propane-butane leaks. Due to the nature of LPG, which is heavier than air, the detector should be installed just above the floor in the supervised room. The digital algorithm of gas detection and the function of temperature compensation ensure correct operation over a wide range of ambient temperatures as well as immunity to false alarms. The device detects dangerous propane-butane concentrations in the room, i.e. above the 20% threshold level of the so-called lower explosive limit (10% for pre-alarm), and triggers alarm. With the built-in buzzer and green LED, the DG-1 LPG detector can operate as a standalone detection/alarm device, but it is also suitable for work as part of the alarm system. The self-diagnostic function is constantly monitoring the gas sensor for supply voltage status as well as correct performance, which ensures reliable operation of the detector.

- digital signal analysis
- optical and acoustical indication of threshold concentration detection
- low current consumption
- full autodiagnosics
- pre-alarm feature
- green LED indicator



TECHNICAL DATA

Enclosure dimensions	ø97 x 36 mm
Operating temperature range	-10...+55 °C
Nominal supply voltage (±15%)	12 V DC
Standby mode current consumption	30-50 mA
Max. current consumption	50 mA
Weight	62 g

